

FORM PTO-1449 (Modified)	ATTY. DOCKET NO. 24601-416C	SERIAL NO. 10/086,745
	APPLICANT De Jong <i>et al.</i>	
	FILING DATE February 28, 2002	GROUP 1636

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

#1

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	Ref. No.	DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE
• DJ	A	4	8	9	7	3	5	5	01/30/90	Eppstein <i>et al.</i>	435	240.2	10/29/87
• DJ	B	4	9	3	7	1	9	0	06/26/90	Palmenberg <i>et al.</i>	435	69.1	10/15/87
• DJ	C	5	2	0	8	0	6	6	05/04/93	Fujisaki <i>et al.</i>	427	96	04/30/92
• DJ	D	5	2	8	8	6	2	5	02/22/94	Hadlaczky	435	172.2	09/13/91
• DJ	E	5	3	1	8	5	1	5	06/07/94	Wilk	604	30	08/17/92
• DJ	F	5	3	3	4	7	6	1	08/02/94	Gebeyehu <i>et al.</i>	554	197	08/28/92
• DJ	G	5	3	8	9	0	6	9	02/14/95	Weaver	604	21	09/17/93
• DJ	H	5	5	0	1	6	6	2	03/26/96	Hofmann	604	20	09/12/94
• DJ	I	5	5	0	7	7	2	4	04/16/96	Hofmann <i>et al.</i>	604	53	01/21/94
• DJ	J	5	5	5	0	2	8	9	08/27/96	Eppstein <i>et al.</i>	554	293	04/03/95
• DJ	K	5	6	7	6	1	5	1	10/14/97	Yock	128	662.06	12/03/93
• DJ	L	5	6	9	5	9	6	7	12/09/97	Van Bokkelen <i>et al.</i>	435	91.1	06/07/95
• DJ	M	5	7	1	2	1	3	4	01/27/98	Hadlaczky	435	172.2	01/19/95
• DJ	N	5	7	2	1	1	1	8	02/24/98	Scheffler	435	69.1	10/29/96
• DJ	O	5	7	3	6	3	9	2	04/07/98	Hawley-Nelson <i>et al.</i>	435	320.1	06/04/96
• DJ	P	5	7	4	7	0	7	2	05/05/98	Davidson <i>et al.</i>	424	93.2	04/14/95
• DJ	Q	5	8	3	0	4	3	0	11/03/98	Unger <i>et al.</i>	424	1.21	02/21/95
• DJ	R	5	8	4	3	8	8	4	12/01/98	Sims	514	2	11/15/95
• DJ	S	5	8	5	3	6	9	4	12/29/98	Engberts <i>et al.</i>	424	1.21	07/24/96
• DJ	T	5	8	6	9	2	9	4	02/09/99	Harrington <i>et al.</i>	435	91.1	09/20/96
• DJ	U	5	8	9	1	6	9	1	04/06/99	Hadlaczky	435	172.3	10/21/96
• DJ	V	5	9	4	4	7	1	0	08/31/99	Dev <i>et al.</i>	604	500	06/24/96
• DJ	W	5	9	6	2	2	6	5	10/05/99	Norris <i>et al.</i>	435	69.1	12/15/98

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<i>DS</i>	X	5	9	6	5	3	9	6	10/12/99	Pan <i>et al.</i>	435	69.1	01/13/98
<i>DS</i>	Y	5	9	7	6	7	9	6	11/02/99	Szalay <i>et al.</i>	435	6	12/23/96
<i>DS</i>	Z	5	9	7	6	8	4	9	11/02/99	Hustad <i>et al.</i>	435	183	04/30/98
<i>DS</i>	AA	5	9	8	5	5	7	7	11/16/99	Bulinski	435	6	10/14/98
<i>DS</i>	AB	5	9	9	3	4	3	4	11/30/99	Dev <i>et al.</i>	604	501	09/29/95
<i>DS</i>	AC	6	0	2	5	1	5	5	02/15/00	Hadlaczký <i>et al.</i>	435	69.1	08/07/96
<i>DS</i>	AD	6	0	2	7	4	8	8	02/22/00	Hofmann <i>et al.</i>	604	522	06/03/98
<i>DS</i>	AE	6	0	3	4	2	2	8	03/07/00	Norris <i>et al.</i>	536	23.1	06/25/99
<i>DS</i>	AF	6	0	3	7	1	3	3	03/14/00	Li	435	7.21	04/17/98
<i>DS</i>	AG	6	0	5	1	4	2	9	04/18/00	Hawley-Nelson <i>et al.</i>	435	458	03/14/97
<i>DS</i>	AH	6	0	5	4	3	1	2	04/25/00	Larocca <i>et al.</i>	435	320.1	08/29/97
<i>DS</i>	AI	6	0	7	4	6	6	7	06/13/00	Kinnunen <i>et al.</i>	424	450	05/21/98
<i>DS</i>	AJ	6	0	7	7	6	9	7	06/20/00	Hadlaczký <i>et al.</i>	435	172.3	07/15/96
<i>DS</i>	AK	6	1	8	4	0	3	7	02/06/01	Rolland <i>et al.</i>	435	455	05/02/97

FOREIGN PATENT DOCUMENTS

	*Ref No.	DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB CLASS	Translation Yes No	
<i>DS</i>	AL	0	0	2	7	7	9	5	05/18/00	PCT				
<i>DS</i>	AM	0	0	5	2	1	8	6	09/08/00	PCT				
<i>DS</i>	AN	0	7	5	5	9	2	4	01/29/97	EP A1				
<i>DS</i>	AO	0	7	5	5	9	2	4	06/09/99	EP B1				
<i>DS</i>	AP	9	7	4	0	1	8	3	10/30/97	PCT				
<i>DS</i>	AQ	9	8	0	8	9	6	4	03/05/98	PCT				
<i>DS</i>	AR	9	9	2	1	5	8	4	05/06/99	PCT				

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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AS	1999 Press Releases: "Chromos Molecular Systems Demonstrates Large Scale Isolation of Mammalian Artificial Chromosomes"; http://www.chromos.com/feb399.htm1
AT	1999 Press Releases: "Chromos Molecular Systems Reports <i>In Vitro</i> and <i>In Vivo</i> Stability of Functional Mammalian Artificial Chromosome"; http://www.chromos.com/march1999.htm1
AU	2001 Press Releases: "Chromos Presents New Chromosome Based Platform Technology for Gene Therapy (ASGT)"; http://www.chromos.com/june%2004.htm1
AV	2001 Press Releases: "Chromos Announces Publication of Rapid Screening Technique in the Journal Cytometry"; http://www.chromos.com/june%2007.htm1
AW	2001 Press Releases: "Chromos Initiates Research into Plant Artificial Chromosomes"; http://www.chromos.com/jan23.htm1
AX	2001 Press Releases: "Chromos Announces Expression of Therapeutic Protein in Transgenic Animal Carrying an Artificial Chromosome"; http://www.chromos.com/nov8.htm1
AY	2001 Press Releases: "Chromos Reports Data on Transgenic Animals Carrying Artificial Chromosome"; http://www.chromos.com/march28.htm1
AZ	2001 Press Releases: "Chromos and Biological Research Center Announce Publication of Human Artificial Chromosome Methodology in the Journal of Cell Science"; http://www.chromos.com/sept12.htm1
BA	2002 Press Release: "Chromos Announces Agreement With Lonza Biologics PLC: ACE System to be Evaluated by Leading Contract Protein Manufacturer" Burnaby, BC, Canada; http://www.chromos.com/june10.html (09/12/02)
BB	2002 Press Release: "Chromos Reports Progress in Gene Delivery To Adult Derived Stem Cells" Burnaby, BC, Canada; http://www.chromos.com/june6.html (09/12/02)
BC	2002 Press Release: "Chromos Enters Collaboration Agreement with Morphogen Pharmaceuticals" Burnaby, BC, Canada; http://www.chromos.com/april24.html (09/12/02)
BD	Alton <i>et al.</i> , "Nucleotide sequence analysis of the chloramphenicol resistance transposon Tn9", <i>Nature</i> , 282:864-869 (1979)
BE	Alvaro-Gracia <i>et al.</i> , "Cytokines in Chronic Inflammatory Arthritis. V. Mutual Antagonism between Interferon-Gamma and Tumor Necrosis Factor-Alpha on HLA-DR Expression, Proliferation, Collagenase Production, and Granulocyte Macrophage Colony-stimulating Factor Production by Rheumatoid Arthritis Synoviocytes", 86:1790-1798 (1990)

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* <i>DL</i>	BF	Anderson <i>et al.</i> , "Flow Cytometry of Mitotic Cells", <i>Experimental Cell Res.</i> , <u>238</u> :498-502 (1998)
<i>DL</i>	BG	ATCC (American Type Culture Collection) Number CCL-39
<i>DL</i>	BH	ATCC (American Type Culture Collection) Number CCL-1.3
<i>DL</i>	BI	ATCC (American Type Culture Collection) Number CCL-110
<i>DL</i>	BJ	ATCC (American Type Culture Collection) Number CRL-1573
<i>DL</i>	BK	ATCC (American Type Culture Collection) Number CCL-1.4
<i>DL</i>	BL	ATCC (American Type Culture Collection) Number CRL-2056
<i>DL</i>	BM	ATCC (American Type Culture Collection) Number CRL-1769
* <i>DL</i>	BN	Audouy <i>et al.</i> , "Serum as a modulator of lipoplex-mediated gene transfection: dependence of amphiphile, cell type and complex stability", <i>J. Gene Med.</i> , <u>2</u> :465-476 (2000)
<i>DL</i>	BO	Audouy and Hoekstra, "Cationic lipid-mediated transfection <i>in vitro</i> and <i>in vivo</i> (Review)", <i>Molecular Membrane Biology</i> , <u>18</u> :129-143 (2001)
<i>DL</i>	BP	Aupperle <i>et al.</i> , "NF- κ B Regulation by I κ B Kinase in Primary Fibroblast-Like Synoviocytes", <i>The Journal of Immunology</i> , <u>163</u> :427-433 (1999)
* <i>DL</i>	BQ	Baldwin <i>et al.</i> , "Cloning of the Luciferase Structural Genes from <i>Vibrio harveyi</i> and Expression of Bioluminescence in <i>Escherichia coli</i> ", <i>Biochem.</i> , <u>23</u> :3663-3667 (1984)
* <i>DL</i>	BR	Bao <i>et al.</i> , "Transfection Of A Reporter Plasmid Into Cultured Cells By Sonoporation <i>In Vitro</i> ", <i>Ultrasound in Med. & Biol.</i> , <u>23</u> (6):953-959 (1997)
* <i>DL</i>	BS	Basic Protocol, Book: <u>Current Protocols in Molecular Biology</u> , Supplement 14, "Calcium Phosphate Transfection", Section 1, Unit 9.1.1 - 9.1.9 (1990)
<i>DL</i>	BT	Bendele <i>et al.</i> , "Efficacy of Sustained Blood Levels of Interleukin-1 Receptor Antagonist in Animal Models of Arthritis", <i>Arthritis and Rheumatism</i> , <u>42</u> (3):498-506 (1999)
* <i>DL</i>	BU	Caldwell <i>et al.</i> , "Activation of Genes with Ultrasound," <i>Ultrasound Contrast Research Symposium</i> San Diego, CA February 6-8, 1998
* <i>DL</i>	BV	Co <i>et al.</i> , "Generation of transgenic mice and germline transmission of a mammalian artificial chromosome introduced into embryos by pronuclear microinjection", <i>Chromosome Res.</i> , <u>8</u> :183-191 (2000)

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DL	BW	Corrigall <i>et al.</i> , "Functional IL-2 Receptor β (CD122) and γ (CD132) Chains Are Expressed by Fibroblast-Like Synoviocytes: Activation by IL-2 Stimulates Monocyte Chemoattractant Protein-1 Production", <i>The Journal of Immunology</i> , <u>166</u> :4141-4147 (2001)
*DL	BX	Csonka <i>et al.</i> , "Novel generation of human satellite DNA-based artificial chromosomes in mammalian cells", <i>J. of Cell Sci.</i> , <u>113</u> :3207-3216 (2000)
*DL	BY	de Wet <i>et al.</i> , "Firefly Luciferase Gene: Structure and Expression in Mammalian Cells", <i>Molecular and Cellular Biol.</i> , <u>7</u> :725-737 (1987)
DL	BZ	de Jong <i>et al.</i> , "Efficient <i>in-vitro</i> transfer of a 60-Mb mammalian artificial chromosome into murine and hamster cells using cationic lipids and dendrimers," <i>Chromosome Res.</i> , <u>9</u> (6):475-485 (2001)
*DL	CA	de Jong <i>et al.</i> , "Mammalian Artificial Chromosome Pilot Production Facility: Large-Scale Isolation of Functional Satellite DNA-Based Artificial Chromosomes", <i>Cytometry</i> , <u>35</u> :129-133 (1999)
*DL	CB	de Jong <i>et al.</i> , Abstract No. 550: "In Vitro Transfer of a 60 Mb Mammalian Artificial Chromosome into Primary Cell Lines Using Cationic Lipids an a Dendrimer", one page
*DL	CC	de Jonge <i>et al.</i> , "Chromosome and DNA-Mediated Gene Transfer in Cultured Mammalian Cells", <i>International Review of Cytology</i> , <u>92</u> :133-158 (1984)
DL	CD	Del Vecchio <i>et al.</i> , "Approaches to enhancing the retroviral transduction of human synoviocytes", <i>Arthritis Research</i> , <u>3</u> :259-263 (2001)
*DL	CE	Durand <i>et al.</i> , "Sequencing Radiation and Adriamycin Exposures in Spheroids to Maximize Therapeutic Gain", <i>I. J. Radiation Oncol. Biol. Phys.</i> , <u>17</u> :345-350 (1989)
*DL	CF	Durand <i>et al.</i> , "Response of Cell Subpopulations in Spheroids to Radiation-Drug Combinations", <i>NCI Monogr.</i> , <u>6</u> :95-100 (1988)
*DL	CG	Durand <i>et al.</i> , "Schedule Dependence for Cisplatin and Etoposide Multifraction Treatments of Spheroids", <i>J. Natl. Cancer Inst.</i> , <u>82</u> :1841-1845 (1990)
DL	CH	ECACC (European Collection of Cell Cultures) No: 85110503, Cell Line Name: NS0, mouse myeloma
DL	CI	Edwards, J.C.W., "Fibroblast biology: Development and differentiation of synovial fibroblasts in arthritis", <i>Arthritis Research</i> , <u>2</u> (5):344-347 (2000)
DL	CJ	Edwards, J.C.W. "Synovial intimal fibroblasts," <i>Ann. Rheum. Dis.</i> , <u>54</u> :395-397 (1995)

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* <i>DL</i>	CK	Engbrecht <i>et al.</i> , "Identification of genes and gene products necessary for bacterial bioluminescence", <i>Proc. Natl. Acad. Sci. USA</i> , <u>81</u> :4154-4158 (1984)
<i>DL</i>	CL	Evans <i>et al.</i> , "Clinical Trial to Assess the Safety, Feasibility, and Efficacy of Transferring a Potentially Anti-Arthritic Cytokine Gene to Human Joints with Rheumatoid Arthritis," <i>Human Gen. Ther.</i> , <u>7</u> :1261-1280 (1996)
<i>DL</i>	CM	Firestein, G.S., "Invasive Fibroblast-Like Synoviocytes in Rheumatoid Arthritis," <i>Arthritis Rheum.</i> , <u>39</u> :1781-1790 (1996)
* <i>DL</i>	CN	Fritz <i>et al.</i> , Abstract: "Ultrasound Enhancement of Gene Expression, Newly Discovered Cationic Lipids, and a New Class of Gene Delivery Agents", ImaRx Pharmaceutical Corp. Announces Important Discoveries in Emerging Field of Drug Delivery Using Acoustically Active Carriers, <i>ImaRx Pharmaceutical Corp.</i> , pages 1-2 (2001)
<i>DL</i>	CO	Gerlag <i>et al.</i> , "The Effect of a T Cell-Specific NF- κ B Inhibitor on In vitro Cytokine Production and Collagen-Induced Arthritis," <i>J. Immunol.</i> , <u>165</u> :1652-1658 (2000)
<i>DL</i>	CP	Gerlag <i>et al.</i> , "Suppression of murine collagen-induced arthritis by targeted apoptosis of synovial neovasculature", <i>Arthritis Research</i> , <u>3</u> (6):357-361 (2001)
<i>DL</i>	CQ	Goater <i>et al.</i> , "Empirical Advantages of Adeno Associated Viral Vectors for <i>in Vivo</i> Gene Therapy for Arthritis," <i>J. Rheumatol.</i> , <u>27</u> (4):983-989 (2000)
<i>DL</i>	CR	Graham <i>et al.</i> , "A New Technique for the Assay of Infectivity of Human Adenovirus 5 DNA", <i>Virology</i> , <u>52</u> :456-467 (1973)
* <i>DL</i>	CS	Gratzner <i>et al.</i> , "An Immunofluorescence Method for Monitoring DNA Synthesis by Flow Cytometry", <i>Cytometry</i> , <u>1</u> (6):385-389 (1981)
* <i>DL</i>	CT	Haas <i>et al.</i> , "Codon usage limitation in the expression of HIV-1 envelope glycoprotein", <i>Current Biol.</i> , <u>6</u> (3):315-324 (1996)
* <i>DL</i>	CU	Hall <i>et al.</i> , "Expression and Regulation of <i>Escherichia coli lacZ</i> Gene Fusions in Mammalian Cells", <i>J. Molecular and Applied Genetics</i> , <u>2</u> :101-109 (1983)
<i>DL</i>	CV	Han <i>et al.</i> , "AP-1 and NF- κ B Regulation in Rheumatoid Arthritis and Murine Collagen-Induced Arthritis," <i>Autoimmunity</i> , <u>28</u> :197-208 (1998)
* <i>DL</i>	CW	Hoekstra <i>et al.</i> , "Lipid trafficking and sorting: how cholesterol is filling gaps", <i>Current Opinion in Cell Biol.</i> , <u>12</u> :496-502 (2000)
* <i>DL</i>	CX	Hoekstra <i>et al.</i> , "Membrane flow, lipid sorting and cell polarity in HepG2 cells, role of a subapical compartment", <i>Biochem. Soc. Trans.</i> , <u>27</u> (4):422-428 (1999)

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* DJ	CY	Hoffman <i>et al.</i> , "Lipochromosome Mediated Gene Transfer: Identification And Probable Specificity Of Localization Of Human chromosomal Material And Stability Of The Transferents", <i>In Vitro</i> , <u>17</u> /8:735-740 (1981)
* DJ	CZ	Hollo <i>et al.</i> , "Evidence for a megareplicon covering megabases of centromeric chromosome segments", <i>Chromo. Res.</i> , <u>4</u> :240-247 (1996)
* DJ	DA	Huang <i>et al.</i> , "Intervening sequences increase efficiency of RNA 3' processing and accumulation of cytoplasmic RNA", <i>Nucleic Acids Res.</i> , <u>18</u> /4:937-947 (1990)
* DJ	DB	Huber <i>et al.</i> , "A Comparison Of Shock Wave And Sinusoidal-Focused Ultrasound-Induced Localized Transfection Of HeLa Cells", <i>Ultrasound to Med. & Biol.</i> , <u>25</u> /9:1451-1457 (1999)
* DJ	DC	Ishihara <i>et al.</i> , "Effects of phospholipid adsorption on nonthrombogenicity of polymer with phospholipid polar group", <i>J. Biomed. Materials Res.</i> , <u>27</u> :1309-1314 (1993)
* DJ	DD	Jackson <i>et al.</i> , "The novel mechanism of initiation of picornavirus RNA translation", <i>TIBS</i> , <u>15</u> :477-483 (1990)
* DJ	DE	Jang <i>et al.</i> , "A Segment of the 5' Nontranslated Region of Encephalomyocarditis Virus RNA Directs Internal Entry of Ribosomes during In Vitro Translation", <i>J. Virol.</i> , <u>62</u> /8:2636-2643 (1988)
* DJ	DF	Jellinek <i>et al.</i> , "Potent 2'-Amino-2'-deoxypyrimidine RNA Inhibitors of Basic Fibroblast Growth Factor", <i>Biochem.</i> , <u>34</u> :11363-11372 (1995)
* DJ	DG	Kereso <i>et al.</i> , "De novo chromosome formations by large-scale amplification of the centromeric region of mouse chromosomes", <i>Chromosome Res.</i> , <u>4</u> :226-239 (1996)
* DJ	DH	Kim <i>et al.</i> , "Ultrasound-Mediated Transfection of Mammalian Cells", <i>Human Gene Therapy</i> , <u>7</u> :1339-1346 (1996)
* DJ	DI	Kong <i>et al.</i> , "Activated T cells regulate bone loss and joint destruction in adjuvant arthritis through osteoprotegerin ligand", <i>Nature</i> , <u>402</u> :304-309 (1999)
* DJ	DJ	Lamb <i>et al.</i> , "Introduction and expression on the 400 kilobase precursor amyloid protein gene in transgenic mice", <i>Nature Genetics</i> , <u>5</u> :22-29 (1993)
* DJ	DK	Li <i>et al.</i> , "NF- κ B Regulates VCAM-1 Expression on Fibroblast-Like Synoviocytes", <i>The Journal of Immunology</i> , <u>164</u> :5990-5997 (2000)
* DJ	DL	Lin <i>et al.</i> , "Modified RNA sequence pools for <i>in vitro</i> selection", <i>Nucleic Acids Res.</i> , <u>22</u> /24:5229-5234 (1994)

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FORM PTO-1449 (Modified)	ATTY. DOCKET NO. 24601-416C	SERIAL NO. 10/086,745
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	APPLICANT De Jong <i>et al.</i>	
	FILING DATE February 28, 2002	GROUP 1636

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

* <i>DS</i>	DM	Maier <i>et al.</i> , "Membrane domains and polarized trafficking of sphingolipids", <i>Cell & Develop. Biol.</i> , <u>12</u> :149-161 (2001)
* <i>DS</i>	DN	Miller <i>et al.</i> , "Sonoporation Of Cultured Cells In The Rotating Tube Exposure System", <i>Ultrasound in Med. & Biol.</i> , <u>25</u> /1:143-149 (1999)
* <i>DS</i>	DO	Mukherjee <i>et al.</i> , "Entrapment of metaphase chromosomes into phospholipid vesicles (lipochromosomes): Carrier potential in gene transfer", <i>Proc. Natl. Acad. Sci. USA</i> , <u>75</u> /3:1361-1365 (1978)
<i>DS</i>	DP	NCBI Nucleotide, X82564. M.musculus 45S pr...[gi:1261918], "Mapping of replication initiation sites in the mouse ribosomal gene cluster"
* <i>DS</i>	DQ	Noguchi <i>et al.</i> , "Measurement of DNA Synthesis by Flow Cytometry", <i>Cytometry</i> , <u>1</u> /6:390-393 (1981)
* <i>DS</i>	DR	Oberle <i>et al.</i> , "Lipoplex Formation under equilibrium Conditions Reveals a Three-Step Mechanism", <i>Biophys. J.</i> , <u>79</u> :1447-1454 (2000)
* <i>DS</i>	DS	Olive <i>et al.</i> , "Increase in the fraction of necrotic, not apoptotic, cells in SiHa xenograft tumours shortly after irradiation", <i>Radiotherapy & Oncology</i> , <u>50</u> :113-119 (1999)
* <i>DS</i>	DT	Olive <i>et al.</i> , "Resistance to DNA Denaturation in Irradiated Chinese Hamster V79 Fibroblasts Is Linked to Cell Shape", <i>Experimental Cell Res.</i> , <u>193</u> :339-345 (1991)
* <i>DS</i>	DU	Pagratis <i>et al.</i> , "Potent 2'-amino-, and 2'-fluoro-2'-deoxyribonucleotide RNA inhibitors of keratinocyte growth factor", <i>Nature Biotechnol.</i> , <u>15</u> :68-73 (1997)
* <i>DS</i>	DV	Pecheur <i>et al.</i> , "Protein-induced Fusion Can Be Modulated by Target Membrane Lipids through a Structural Switch at the Level of the Fusion Peptide", <i>J. Biol. Chem.</i> , <u>275</u> /6:3936-3942 (2000)
* <i>DS</i>	DW	Perez <i>et al.</i> , "Satellite DNA-based artificial chromosomes - chromosomal vectors", <i>TIBTECH</i> , <u>18</u> :402-403 (2000)
* <i>DS</i>	DX	Pittman <i>et al.</i> , "A simple and rapid immunological technique for visualising chromosome-mediated gene transfer (CMGT)", <i>J. Immunol. Methods</i> , <u>103</u> :87-92 (1987)
* <i>DS</i>	DY	Ropp <i>et al.</i> , "Aequorea Green Fluorescent Protein Analysis by Flow Cytometry", <i>Cytometry</i> , <u>21</u> :309-317 (1995)
* <i>DS</i>	DZ	Sambrook <i>et al.</i> , Book: "Molecular Cloning", <i>A Laboratory Manual</i> , Second Ed., Cold Spring Harbor Laboratory Press (1989)

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* DS	EA	Shi <i>et al.</i> , "Efficient cationic lipid-mediated delivery of antisense oligonucleotides into eukaryotic cells: down-regulation of the corticotropin-releasing factor receptor", <i>Nucleic Acids Res.</i> , <u>29/10</u> :2079-2087 (2001)
DS	EB	Shi <i>et al.</i> , "Interference of poly(ethylene glycol)-lipid analogues with cationic-lipid-mediated delivery of oligonucleotides; role of lipid exchangeability and non-lamellar transitions," <i>Biochem. J.</i> , <u>366(Pt 1)</u> :333-341 (2002)
* DS	EC	Song <i>et al.</i> , "Cell surface expression of MHC molecules in glioma cells infected with herpes simplex virus type-1", <i>J. Neuroimmunol.</i> , <u>93</u> :1-7 (1999)
DS	ED	Stewart <i>et al.</i> , "Retrofitting of a satellite repeat DNA-based murine artificial chromosome (ACes) to contain loxP recombination sites", <i>Gene Therapy</i> , <u>9</u> :719-723 (2002)
DS	EE	Su <i>et al.</i> , "Testing the eukaryotic promoters for efficient expression of exogenous genes in chondrocytes and synoviocytes", <i>FEBS Letters</i> , <u>395</u> :179-182 (1996)
DS	EF	Tak <i>et al.</i> , "The effects of interferon beta treatment on arthritis", <i>Rheumatology</i> , <u>38</u> :362-369 (1999)
* DS	EG	Takeuchi <i>et al.</i> , "Enhanced Visualization of Intravascular and Left Atrial Appendage Thrombus with the Use of a Thrombus-Targeting Ultrasonographic Contrast Agent (MRX-408A1): In Vivo Experimental Echocardiographic Studies", <i>J. Am. Soc. Echocardiogr.</i> , <u>12/12</u> :1015-1021 (1999)
* DS	EH	Telenius <i>et al.</i> , "Stability of a functional murine satellite DNA-based artificial chromosome across mammalian species", <i>Chromosome Res.</i> , <u>7</u> :3-7 (1999)
* DS	EI	Toh <i>et al.</i> , "Isolation and characterization of a rat liver alkaline phosphatase gene. A single gene with two promoters", <i>FEBS</i> , pages 231-237 (1989)
* DS	EJ	Unger <i>et al.</i> , Book: "Liposomes as myocardial perfusion ultrasound contrast agents", <u>Ultrasound contrast Agents</u> , Chapter 6, pages 57-74 (1997)
* DS	EK	Unger <i>et al.</i> , Book: 16th International Congress on Acoustics and 135th Meeting Acoustical Society of America, "Gas-Filled Liposomes as Ultrasound Contrast Agents for Blood Pool, Thrombus-Specific and Therapeutic Applications", <u>3</u> :2179-2180 (1998)
* DS	EL	Unger <i>et al.</i> , "Ultrasound Enhances Gene Expression of Liposomal Transfection", <i>Invest. Radiol.</i> , <u>32</u> :723-727 (1997)
* DS	EM	Unger <i>et al.</i> , Abstract: "Assessment of Myocardial Infarct with a New Ultrasound Contrast Agent", <i>RSNA</i> , Chicago, II #1177, page 419 (1997)

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* DL	EN	Unger <i>et al.</i> , Abstract: "Ultrasound-Mediated Drug Delivery with Acoustically Active Carriers and SonoPoration TM and FluoroGene TM Gene Delivery", <u>ImaRx Pharmaceutical Corp.</u> , pages 1-8 (2000)
* DL	EO	van der Woude <i>et al.</i> , "Parameters influencing the introduction of plasmid DNA into cells by the use of synthetic amphiphiles as a carrier system", <i>BBA Biochimica et Biophysica Acta</i> , <u>1240</u> :34-40 (1995)
* DL	EP	van der Woude <i>et al.</i> , "Novel pyridinium surfactants for efficient, nontoxic <i>in vitro</i> gene delivery", <i>Proc. Natl. Acad. Sci. USA</i> , <u>94</u> :1160-1165 (1997)
* DL	EQ	van Leeuwen <i>et al.</i> , "Transfection of Small Numbers of Human Endothelial Cells by Electroporation and Synthetic Amphiphiles", <i>Eur. J. Vase Endovasc. Surg.</i> , <u>17</u> :9-14 (1999)
* DL	ER	Vanderbyl <i>et al.</i> , "A Flow Cytometry Technique for Measuring Chromosome-Mediated Gene Transfer", <i>Cytometry</i> , <u>44</u> :100-105 (2001)
DL	ES	Vervoordeldonk and Tak, "Gene therap in rheumatic diseases", <i>Best Practice & Research Clinical Rheumatology</i> , <u>15</u> (5):771-788 (2001)
* DL	ET	Wigler <i>et al.</i> , "DNA-mediated transfer of the adenine phosphoribosyltransferase locus into mammalian cells", <i>Proc. Natl. Acad. Sci. USA</i> , <u>76</u> /3:1373-1376 (1979)
* DL	EU	Wong <i>et al.</i> , "Sequence organization and cytological localization of the minor satellite of mouse", <i>Nucleic Acids Res.</i> , <u>16</u> :11645-11661 (1988)
* DL	EV	Wyber <i>et al.</i> , "The Use of Sonication of r the Efficient Delivery of Plasmid DNA into Cells", <i>Pharmaceutical Res.</i> , <u>14</u> /6:750-756 (1997)
* DL	EW	Yang <i>et al.</i> , "Optimized codon usage and chromophore mutations provide enhanced sensitivity with the green fluorescent protein", <i>Nucleic Acids Res.</i> , <u>24</u> /22:4592-4593 (1996)

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	APPLICANT de Jong et al.	CUSTOMER NO. 24961	
	FILING DATE February 28, 2002	GROUP 1636	

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	*Ref. Code	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	*Ref. Code	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	Translation Yes No

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

DL	*A	Albertsen <i>et al.</i> , "Construction and characterization of a yeast artificial chromosome library containing seven haploid human genome equivalents", <i>PNAS</i> , <u>87</u> :4256-4260 (1990)
DL	*B	Brown <i>et al.</i> , "Artificial chromosomes: ideal vectors?", <i>TIBTech</i> , <u>18</u> :218-223 (2000)
DL	*C	Cavazzana-Calvo <i>et al.</i> , "Gene Therapy of Human Severe Combined Immunodeficiency (SCID)-X1 Disease", <i>Science</i> , <u>288</u> :669-672 (2000)
DL	*D	Cocchia <i>et al.</i> , "Recovery and potential utility of YACs as circular YACs/BACs", <i>Nucl. Acids Res.</i> , <u>28</u> (17):e81 i-viii (2000)
DL	*E	Dausset <i>et al.</i> , "The CEPH YAC Library", <i>Behring Inst. Mitt.</i> , <u>91</u> :13-20 (1992)
DL	*F	Foecking <i>et al.</i> , "Powerful and versatile enhancer-promoter unit for mammalian expression vectors", <i>Gene</i> , <u>45</u> :101-105 (1986)
DL	*G	Giraldo <i>et al.</i> , "Size matters: use of YACs, BACs and PACs in transgenic animals", <i>Transgenic Res.</i> , <u>10</u> :83-103 (2001)
DL	*H	Han <i>et al.</i> , "Development of Biomaterials for Gene Therapy", <i>Mol. Therapy</i> , <u>2</u> (4):302-317 (2000)

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<i>DL</i>	*I	Hem <i>et al.</i> , "Saphenous vein puncture for blood sampling of the mouse, rat, hamster, gerbil, guineapig, ferret and mink", <i>Laboratory Animals</i> , <u>32</u> :364-368 (1998)
<i>DL</i>	*J	Jacobovits <i>et al.</i> , "Germ-line transmission and expression of a human-derived yeast artificial chromosome", <i>Nature</i> , <u>362</u> :255-258 (1993)
<i>DL</i>	*K	Lange-Gustafson <i>et al.</i> , "Purification and Properties of Int-h, a Variant Protein Involved in Site-specific Recombination of Bacteriophage λ ", <i>J. Biol. Chem.</i> , <u>259</u> (20):12724-12732 (1984)
<i>DL</i>	*L	Larin <i>et al.</i> , "A method for linking yeast artificial chromosomes", <i>Nucl. Acid Res.</i> , <u>24</u> (21):4192-4196 (1996)
<i>DL</i>	*M	Libert <i>et al.</i> , "Construction of a Bovine Genomic Library of Large Yeast Artificial Chromosome Clones", <i>Genomics</i> , <u>18</u> :270-276 (1993)
<i>DL</i>	*N	Lorbach <i>et al.</i> , "Site-specific Recombination in Human Cells Catalyzed by Phage λ Integrase Mutants", <i>J. Mol. Biol.</i> , <u>296</u> :1175-1181 (2000)
<i>DL</i>	*O	Lowry, R., "Two-Factor ANOVA with Repeated Measures on One Factor", http://faculty.vassar.edu/lowry/anova2corr.html (2000)
<i>DL</i>	*P	Luo <i>et al.</i> , "Synthetic DNA delivery systems", <i>Nature Biotechnol.</i> , <u>18</u> :33-37 (2000)
<i>DL</i>	*Q	Marschall <i>et al.</i> , "Transfer of YACs up to 2.3 Mb intact into human cells with polyethylenimine", <i>Gene Therapy</i> , <u>6</u> :1634-1637 (1999)
<i>DL</i>	*R	Miller <i>et al.</i> , "int-h: an <i>int</i> Mutation of Phage λ That Enhances Site-Specific Recombination", <i>Cell</i> , <u>20</u> :721-729 (1980)
<i>DL</i>	*S	Mountain <i>et al.</i> , "Gene therapy: the first decade", <i>TIBTECH</i> , <u>18</u> :119-128 (2000)
<i>DL</i>	*T	NCBI Nucleotide, Gene Bank Accession No. NC001416
<i>DL</i>	*U	Osborne <i>et al.</i> , "Gene therapy for long-term expression of erythropoietin in rats", <i>Proc. Natl. Acad. Sci. USA</i> , <u>92</u> :8055-8058 (1995)
<i>DL</i>	*V	Palmieri <i>et al.</i> , "Construction of a pilot human YAC library in a recombination-defective yeast strain", <i>Gene</i> , <u>188</u> :169-174 (1997)

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<i>DL</i>	*W	Schedl <i>et al.</i> , "A method for the generation of YAC transgenic mice by pronuclear microinjection", <i>Nucl. Acid Res.</i> , <u>21</u> :4783-4787 (1993)
<i>DL</i>	*X	Shen <i>et al.</i> , "A structurally defined mini-chromosome vector for the mouse germ line", <i>Current Biology</i> , <u>10</u> :31-34 (2000)
<i>DL</i>	*Y	Sigma Catalog, Biochemicals and Regents for Life Science Research, Molecular Biology, pp. 221, 227, 275, 363, 411, 543, 576, 909 (1998)
<i>DL</i>	*Z	Stocum <i>et al.</i> , "Regenerative biology: A millenial revolution", <i>Cell and Devel. Biol.</i> , <u>10</u> :433-440 (1999)
<i>DL</i>	*AA	Stocum <i>et al.</i> , "Regenerative biology and engineering: strategies for tissue restoration", <i>Wound Rep. Reg.</i> , <u>6</u> :276-290 (1998)
<i>DL</i>	*AB	Takeda <i>et al.</i> , "Construction of a bovine yeast artificial chromosome (YAC) library", <i>Animal Genetics</i> , <u>29</u> :216-219 (1998)
<i>DL</i>	*AC	Tao <i>et al.</i> , "Cloning and stable maintenance of DNA fragments over 300 kb in <i>Escherichia coli</i> with conventional plasmid-based vectors", <i>Nucl. Acids Res.</i> , <u>26</u> (21):4901-4909 (1998)
<i>DL</i>	*AD	Toye <i>et al.</i> , "A yeast artificial chromosome (YAC) library containing 10 haploid chicken genome equivalents", <i>Mammalian Genome</i> , <u>8</u> :274-276 (1997)
<i>DL</i>	*AE	Tsonis <i>et al.</i> , "Regeneration in Vertebrates", <i>Devel. Biol.</i> , <u>221</u> :273-284 (2000)
<i>DL</i>	*AF	Uhrek <i>et al.</i> , "DNA-carrier proteins for targeted gene delivery", <i>Adv. Drug Delivery Reviews</i> , <u>44</u> :153-166 (2000)
<i>DL</i>	*AG	Urlaub <i>et al.</i> , "Effect of Gamma Rays at the Dihydrofolate Reductase Locus: Deletions and Inversions", <i>Somatic Cell and Mol. Genetics</i> , <u>12</u> (6):555-566 (1986)
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<i>DL</i>	*AI	Zhong <i>et al.</i> , "Zebrafish Genomic Library in Yeast Artificial Chromosomes", <i>Genomics</i> , <u>48</u> :136-138 (1998)

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<i>DJ</i>	*A	5	4	5	9	1	2	7	10/17/95	Felgner <i>et al.</i>	514	7	09/16/93

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<i>DJ</i>	*B	0	0	3	4	4	3	6	06/15/00	PCT A2				
<i>DJ</i>	*C	9	9	1	3	7	1	9	03/25/99	PCT				

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<i>DJ</i>	*D	Neves <i>et al.</i> , "Novel method for covalent fluorescent labeling of plasmid DNA that maintains structural integrity of the plasmid", <i>Bioconjug. Chem.</i> , <u>11(1)</u> :51-55 (2000)											
<i>DJ</i>	*E	Zelphati <i>et al.</i> , "Gene Chemistry: Functionally and Conformationally Intact Fluorescent Plasmid DNA", <i>Hum. Gene Ther.</i> , <u>10(1)</u> :15-24 (1999)											

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<i>DL</i>	A	5	8	3	7	2	8	3	11/17/98	McDonald <i>et al.</i>	424	450	03/12/97

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NONE											

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>DL</i>	B	Eck <i>et al.</i> , "Goodman & Gilman's The Pharmacological Basis of Therapeutics", 9th Edition, Chapter 5, McGraw-Hill, NY
<i>DL</i>	C	Emanueli <i>et al.</i> , "Angiogenesis gene therapy to rescue ischaemic tissues: achievements and future directions", <i>Br. J. Pharmacol.</i> , <u>133</u> (7):951-958 (2001)
<i>DL</i>	D	Marshall E., "Gene Therapy's Growing Pains", <i>Science</i> , <u>269</u> (5227):10501055 (1995)
<i>DL</i>	E	Orkin <i>et al.</i> , "Report and Recommendations of the Panel to Assess the NIH Investment in Research on Gene Therapy", on line at http://www.nih.gov/news/panelrep
<i>DL</i>	F	Rissanen <i>et al.</i> , "Gene therapy for therapeutic angiogenesis in critically ischaemic lower limb - on the way to the clinic", <i>Eur. J. Clin. Invest.</i> , <u>31</u> (8):651-666 (2001)
<i>DL</i>	G	Ross <i>et al.</i> , "Gene Therapy in the United States: A Five-Year Status Report", <i>Hum. Gene. Ther.</i> , <u>7</u> (14):1781-1790 (1996)
<i>DL</i>	H	Rubanyi, G.M., "The future of human gene therapy", <i>Mol. Aspects Med.</i> , <u>22</u> (3):113-142 (2001)
<i>DL</i>	I	Schwaab <i>et al.</i> , "Gene Therapy of Hemophilia", <i>Semin. Thromb. Hemost.</i> , <u>27</u> (4):417-424 (2001)
<i>DL</i>	J	Strauss <i>et al.</i> , "Molecular complementation of a collagen mutation in mammalian cells using yeast artificial chromosomes", <i>EMBO J.</i> , <u>11</u> (2):417-422 (1992)
<i>DL</i>	K	Verma <i>et al.</i> , "Gene therapy--promises, problems and prospects", <i>Nature</i> , <u>389</u> (6648):239-242 (1997)

EXAMINER

David Lambertson

DATE CONSIDERED

1/26/04

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Title: **METHOD FOR DELIVERING NUCLEIC ACID MOLECULES INTO CELLS AND ASSESSMENT THEREOF**